



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.: 09/596,746                      Group: 1645

Filed: June 19, 2000                      Examiner: R.P. Swartz

Confirmation No.: 3998

For: GROUPS OF *BORRELIA BURGDORFERI* AND *BORRELIA*  
*AFZELII* THAT CAUSE LYME DISEASE IN HUMANS

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Mail Stop Sequence, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
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TRANSMITTAL OF SUBSTITUTE SEQUENCE LISTING AND  
AMENDMENT

Mail Stop Sequence  
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Sir:

This Amendment is being filed in response to the Office Action mailed from the U.S. Patent and Trademark Office on September 16, 2005 in the above-identified application. Reconsideration and further examination are requested.

**Substitute Sequence Listing**

Transmitted herewith is a copy of a Substitute "Sequence Listing" in paper form (sheets 1/108 through 108/108) comprising SEQ ID NOS: 1-86 for the above-identified patent application as required by 37 C.F.R. §§ 1.825(a) and 1.821(c), and a copy of the Substitute "Sequence Listing" in computer readable form as required by 37 C.F.R. §§ 1.825(b) and 1.821(e). Please replace the "Substitute Sequence Listing" filed on July 26, 2000 (sheets 1/102 through 102/102) with the attached Substitute "Sequence Listing."

As required by 37 C.F.R. § 1.825(b), Applicant's Attorney hereby states that the contents of the Substitute "Sequence Listing" in paper form and in the computer readable form submitted herewith are the same and, as required by 37 C.F.R. § 1.825(a), also states that the submission includes no new matter.